

14, V8

نام و نام خانوادگی ~~نیما علی~~ پاسخنامه تشریحی تکلیف شماره ۱۰۰ کلاس ۱۳۰۰

الف) $y = \frac{-9}{2} + 2$ $m = \frac{2 - (-2)}{2 - 5} = -2$ $m = -1$ $y = \frac{-9}{2} + 2$ (۱.۵)
 $(5, -2) \rightarrow y + 2 = -2(x - 5) \rightarrow y = -2x + 12$
 $m_d = -2$ $y = -2x + 12$ ✓

ب) $y = \frac{-9}{2} + 2$ $2x + 12 = y$ ✓
 $\frac{1}{2} m_d = 2$ $2x + 12 = y$ ✓
 $\tan \theta = \sqrt{2} = m$ $\sqrt{2}x + 12 = y$ $\sqrt{2}x + 12 = y$ ✓

الف) $\sqrt{(2-5)^2 + (-1-2)^2} = 5$ ✓

ب) $\frac{|2(2) + 1(-1) - 12|}{\sqrt{4+1}} = \frac{15}{\sqrt{5}} = 3\sqrt{5}$ ✓

دو خط موازی اند
 $\frac{|C - C'|}{\sqrt{a^2 + b^2}} = \frac{|12 - 12|}{\sqrt{2^2 + 1^2}} = \frac{0}{\sqrt{5}} = 0$ ✓

~~$2x + 12 = y$~~

الف) $2x + 12 = y$ ~~$2x + 12 = y$~~ $\frac{12+12}{2} = 12$

$\frac{|2x - 2y - 1|}{\sqrt{2}} = \frac{|2x + 2y - 12|}{\sqrt{2}}$ $\frac{|2x - 2y - 1|}{\sqrt{2}} = \frac{|2x + 2y - 12|}{\sqrt{2}}$

$2x - 2y - 1 = 2y + 12$ $2x - 2y - 1 = 2y + 12$
 $2y = 2x - 13$ $2y = 2x - 13$
 $y = x - 6.5$ $y = x - 6.5$ ✓

$\left| \frac{-2 \pm 2}{1 - 9} \right| = \left| \frac{-5}{-8} \right| = 1$ $\alpha = \frac{\sqrt{2}}{2}$ ✓

$\sqrt{1^2 + 4^2} = 5 \checkmark$ $-1 \pm \frac{1 \pm (-2)}{2} \Rightarrow y = \frac{-2 \pm 1}{2} = -\frac{1}{2} \text{ or } -\frac{3}{2}$	الف (2) 6
$\frac{10 + 9 + 1}{3} = 6.67$ $\frac{10 + 9 + 1}{3} = 6.67$ $\frac{10 + 9 + 1}{3} = 6.67$	الف (2) 7
$\frac{-2x + 1}{-4x - 2} = y \checkmark$ $\frac{1}{-4x - 2} = y \Rightarrow y = -\frac{1}{4x + 2}$	الف (1, 4, 5) 8
$\frac{1}{x} = \frac{1}{x} \Rightarrow x = 1$ $\frac{1}{x} = \frac{1}{x} \Rightarrow x = 1$	الف (0) 9
$\frac{1}{x} = \frac{1}{x} \Rightarrow x = 1$ $\frac{1}{x} = \frac{1}{x} \Rightarrow x = 1$	الف (2) 10

$$\begin{cases} n' = n - 2 \rightarrow n = n' + 2 \\ y' = y + 3 \rightarrow y = y' - 3 \end{cases} \quad y' - 3 = \frac{2(n' + 2) + 1}{n' + 2 - 3}$$

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الف

$$y' = \frac{5n' + 2}{n' - 1}$$

$$y' = \frac{7}{n'}$$

ب) متبہ مورد قبل